IN THE CLAIMS

Please amend the following claims.

1. (currently amended) A transformer comprising:

a first inductor having one or more trenches and comprising a first conductor defining a signal path along the one or more trenches of the first inductor, and a first magnetic layer defining a path along the one or more trenches parallel to the signal path of the first conductor; and

a second inductor having one or more trenches and comprising a second conductor defining a signal path along the one or more trenches of the second inductor, and a second magnetic layer defining a path along the one or more trenches parallel to the signal path of the second conductor.

2. (original) The transformer of claim 1, wherein the first inductor comprises one or more legs each having one or more trenches and the second inductor comprises one or more legs each having one or more trenches;

wherein the first conductor defines one or more signal paths each along one or more legs of the first inductor; and

wherein the second conductor defines one or more signal paths each along one or more legs of the second inductor.

3. (currently amended) The transformer of claim 2, wherein the first inductor has at least two adjacent legs and the second inductor has at least one leg and at least a portion of the at least one a leg of the second inductor is positioned between the at least two adjacent legs of

the first inductor such that an electromagnetic field generated by the first inductor induces a voltage potential across the second inductor.

4. (original) The transformer of claim 2, wherein the first and second inductors are positioned side-by-side.

5. (cancelled)

6. (currently amended) The transformer of claim [[5]] 1, wherein ~~each~~ the first magnetic layer and the second magnetic layer comprise[[s]] an amorphous cobalt alloy.

7. (currently amended) The transformer of claim 1, wherein the first inductor comprises one or more legs each having one or more trenches and the second inductor comprises one or more legs each having one or more trenches; and

wherein the ~~first and second inductors each comprise one or more magnetic layers~~ first magnetic layer and the second magnetic layer are coupled to form magnetic strips extending across one or more legs of the first inductor and one or more legs of the second inductor.

8. (currently amended) A transformer comprising:

a substrate;

a first patterned dielectric layer over the substrate, the first patterned dielectric layer defining one or more trenches for a first inductor and one or more trenches for a second inductor;

a first magnetic layer over the first patterned dielectric layer, the first magnetic layer defining a path along the one or more trenches for the first inductor;

a second magnetic layer over the first patterned dielectric layer, the second magnetic layer defining a path along the one or more trenches for the second inductor;

a first conductor over the ~~patterned dielectric layer~~ first magnetic layer, the first conductor defining a signal path along the one or more trenches for the first inductor; and

a second conductor over the ~~patterned dielectric layer~~ second magnetic layer, the second conductor defining a signal path along the one or more trenches for the second inductor.

9. (original) The transformer of claim 8, wherein the first conductor defines one or more signal paths each along one or more legs each having one or more trenches and the second conductor defines one or more signal paths each along one or more legs each having one or more trenches.

10. (original) The transformer of claim 9, wherein at least a portion of a leg for the second conductor is positioned between two legs for the first conductor.

11. (original) The transformer of claim 9, wherein the first and second conductors are positioned side-by-side.

12. (cancelled)

13. (currently amended) The transformer of claim [[12]] 8, wherein ~~each~~ the first magnetic layer and the second magnetic layer comprise[[s]] an amorphous cobalt alloy.

14. (currently amended) The transformer of claim 8, comprising ~~another~~ a second dielectric layer over the first and second conductors and the first and second magnetic layers over the ~~other~~ first dielectric layer, wherein the first magnetic layer lies over the first conductor and the second magnetic layer lies over the second conductor.

15. (cancelled)

16. (currently amended) The transformer of claim [[12]] 8, further comprising ~~another dielectric layer over the first and second conductors and third and fourth magnetic layers over the other dielectric layer, wherein the~~ a third magnetic layer ~~lies~~ over the first conductor and ~~the~~ a fourth magnetic layer ~~lies~~ over the second conductor, and a third dielectric layer over the third magnetic layer and the fourth magnetic layer.

17. (original) The transformer of claim 16, wherein the first conductor defines one or more signal paths each along one or more legs each having one or more trenches and the second conductor defines one or more signal paths each along one or more legs each having one or more trenches; and

wherein the first, second, third, and fourth magnetic layers are coupled to form magnetic strips extending across one or more legs for the first conductor and one or more legs for the second conductor.

Claims 18-49 (cancelled)